

App. No. 10/749866

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1. (Currently Amended) A nozzle unit for spreading foamed glue onto a flat surface in the production of wood-based sheets, the nozzle unit comprising:

a feeder canal for directing the glue into the nozzle unit,

a plurality of nozzles for directing the glue from the nozzle unit onto the flat surface, and

a distribution canal network between the feeder canal and the nozzles for distributing the glue evenly to the nozzles, wherein the distribution canal network comprises:

a plurality of successive flow canal zones, each zone comprises flow canals such that each flow canal within each zone divides into at least two flow channels in a successive canal zone, and

a compensation canal is connected to the flow canals of one of the canal zones, wherein the glue flows into the compensation canal only from the flow canals within the one canal zone, wherein the glue flowing in the compensation canal is available for flow into any of the flow canals within the one canal zone,

wherein one canal zone before the nozzles comprises a valve that opens and closes the canals in that canal zone, and the nozzle unit further comprises a return canal and the valve comprises connections that direct the glue to the return canal when the valve closes the nozzles.

2-4. (Canceled)

App. No. 10/749866

5. (Previously Presented) A nozzle unit according to claim 1, wherein the compensation canal is arranged in the last canal zone before the nozzles.
6. (Canceled)
7. (Previously Presented) A nozzle unit according to claim 1, wherein the flow canals connected to the compensation canal are of equal flow cross-section.
8. (Previously Presented) A nozzle unit according to claim 1, wherein the flow cross-section of the compensation canal is larger than the flow cross-section of the flow canals that it connects to one another.
9. (Previously Presented) A nozzle unit according to claim 1, wherein the nozzle unit has the compensation canal in at least two different canal zones.